



ATCO #018

Insulated Flexible Metal Duct
 8' Insulated UL 181
 Class 1 Air Duct



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Description

ATCO's UPC #018 is a UL 181, Class 1 Air Duct which meets the requirements of NFPA (90A & 90B). ATCO #018 is an insulated duct, with a non-combustible, flexible metal core, manufactured of corrugated aluminum with watertight lock seams. 8' lengths come standard with universal male/female fittings, and are compressed for easy storage and handling. ATCO #018 is air-tight and is designed for low, medium and high operating pressures in HVAC systems.

Construction

ATCO #018 has an all metal non-combustible inner core constructed of heavy gauge corrugated aluminum with watertight continuous lock seams. The flexible metal core is wrapped in a thick blanket of fiberglass insulation and a durable metalized vapor barrier.

Applications

ATCO #018 is used as a supply, return, and exhaust duct in low, medium, and high pressure heating, air conditioning, and exhaust systems. ATCO's UPC #018 can be used in an air distribution system, connecting ducts, mixing boxes, diffusers, light troffers, room inlets, or other terminal devices.

Code Compliance*

UL 181, UMC 10-1, NFPA 90A & 90B, SBCC, BOCA, Cities of Chicago, New York & San Francisco, County of Dade (Florida), California State Fire Marshall.

**ATCO recommends that you check with the local code body having jurisdiction in your area to determine applicable codes.*

Product Data

- ▲ Length: 8'
- ▲ Diameters: 6", 7", 8", 9", 10", 12", 14", 16", 18"
- ▲ Vapor Barrier: Tri-Directional Scrim Reinforced Metalized Polyester
- ▲ End Treatment: Universal Male/Female Fittings

Performance Data

- ▲ Rated Positive Pressure: 10" w.g. per UL-181 (UL Listed pressure ratings are determined in straight lengths @ ambient temperatures.)

- ▲ Recommended Operating Pressures (Determined in a 90° bend at elevated temperatures in accordance with ADC FD 72-R1 Test Code.)
- ▲ Maximum Positive and Negative:
 - 12 " w.g. - 6" thru 10" Dia.
 - 8 " w.g. - 12" thru 18" Dia.(With factory installed metal collars, 2" w.g. - all diameters)
- ▲ Maximum Velocity: 5,000 FPM
- ▲ Maximum Operating Temperatures:
 - 100° F to 250° F Intermittent (@ ½" pos. w.g. max.)
- ▲ R Value: 4.2 and 6.0
- (In accordance with ADC flexible duct performance and installation standards (1991) using ASTM C-518 at installed wall thickness on flat insulation only.)
- ▲ Flame Spread: Less than 25
- ▲ Smoke Developed: Less than 50

Installation

Air duct connections and joints shall be made per installation instructions outlined by ATCO Rubber Products, Inc. and as required by the UL 181 listing procedure. (Installation instructions are included inside of each carton.)

Air Friction chart:

Please [click here](#) to view the air friction chart.

Warranty:

Atco warrants that all flexible ducts will be free from defects in material and workmanship for a period of five years from the date of purchase only if the ducts are installed in accordance with Atco's installation instructions and under conditions specified in Atco's performance data. The buyer's exclusive remedies for any defect in the flexible ducts shall be replacement or refund of the purchase price, at Atco's option.

ATCO MAKES NO OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE. IN PARTICULAR, ATCO MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ATCO SHALL HAVE NO LIABILITY TO THE BUYER OR ANY THIRD PARTY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, LOST PROFITS OR OTHER ECONOMIC INJURY DUE TO ANY DEFECT IN THE FLEXIBLE DUCTS. MATERIALS AND SPECIFICATIONS FOR THE FLEXIBLE DUCTS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

For price and availability please contact: [Sales](#)